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KILPATRICK	STOCKTON, LLP		CHOI, PETER Y	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	· · · · · · · · · · · · · · · · · · ·	Application No.	Applicant(s)
Office Action Summary		10/658,842	LUNSFORD ET AL.
		Examiner	Art Unit
		Peter Y. Choi	1771
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet	with the correspondence address
A SH WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. Period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUN 36(a). In no event, however, may vill apply and will expire SIX (6) MO cause the application to become	IICATION. a reply be timely filed DNTHS from the malling date of this communication. ABANDONED (35 U.S.C. § 133).
Status			
2a)⊠	Responsive to communication(s) filed on <u>27 M.</u> This action is FINAL . 2b) This Since this application is in condition for allower closed in accordance with the practice under E	action is non-final.	
Dienociti	on of Claims	,	
5)	Claim(s) 2-8,10-18,20-27,29-35,37-42,45-53 and 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) 2-8,10-18,20-27,29-35,37-42,45-53 and Claim(s) is/are objected to. Claim(s) are subject to restriction and/or on Papers The specification is objected to by the Examiner The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the or Replacement drawing sheet(s) including the correction The oath or declaration is objected to by the Examiner The oath or declaration	vn from consideration. nd 65-70 is/are rejected. r election requirement. r. epted or b) □ objected to drawing(s) be held in abeysion is required if the drawing.	o by the Examiner. ance. See 37 CFR 1.85(a). g(s) is objected to. See 37 CFR 1.121(d).
Priority u	inder 35 U.S.C. § 119		
a)[Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau see the attached detailed Office action for a list of	s have been received. s have been received in ity documents have bee (PCT Rule 17.2(a)).	Application No n received in this National Stage
2) Notic 3) Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	Paper No	Summary (PTO-413) o(s)/Mail Date Informal Patent Application

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FINAL ACTION

Claim Rejections - 35 USC § 102/103

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 2-4, 6-8, 10-14, 16-18, 29-35, 37-42, 45-49, 51-53, 65, 66, and 68-70 are rejected under 35 U.S.C. 102(b) as being anticipated by, or alternatively under 35 U.S.C. 103(a) as obvious over, USPN 5,275,627 to Cates.

Regarding claims 2-4, 6-8, and 65, Cates teaches a dyed flame resistant fabric comprising a blend of a plurality of fibers, wherein the plurality of fibers consists of inherently flame resistant fibers comprising at least one of aromatic polyamide, polyamide imide, or polyimide, and cellulosic fibers comprising at least one of rayon, acetate, triacetate, or lyocell, wherein at least some of the cellulosic fibers comprise a flame retardant compound, and a residual amount of a dye-assistant comprising at least one of N-cyclohexylpyrrolidone, benzyl alcohol, N,N-dibutylformamide, N,N-diethylbenzamide, hexadecyltrimethyl ammonium salt, N,N-dimethylbenzamide, N,N-diethyl-m-toluamide, N-octylpyrrolidone, aryl ether, N,N-dimethylcaprylamide, or N,N-dimethylcapramide (see entire document including column 1 lines

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9-59, column 2 lines 3-22, column 2 lines 52-61, column 3 line 10 to column 4 line 9, column 4 lines 51-65, column 5 line 60 to column 6 line 10, Table I, Table II).

Regarding claim 2, at least some of the inherently flame resistant fibers comprise metaaramid fibers (column 3 lines 21-62).

Regarding claim 3, at least some of the cellulosic fibers comprise rayon fibers (column 3 lines 21-62).

Regarding claim 4, the residual amount of dye assistant comprises at least one of N-cyclohexylpyrrolidone, benzyl alcohol, or N,N-dibutylformamide (column 1 lines 46-59, column 2 lines 3-22, column 6 lines 4-10).

Regarding claims 6 and 7, Cates does not appear to teach that the fabric exhibits a duration of afterflame no greater than 2.0 seconds when subjected to a vertical flammability test conducted in accordance with FTMS 191A Method 5903.1 using a three second exposure and that the fabric exhibits a shrinkage percentage of no greater than approximately 7% after 20 launderings conducted in accordance with AATCC Test Method 135-1992 Table I(3)(V)(A)(iii). Although the prior art does not disclose the claimed duration of afterflame and shrinkage percentage, the claimed properties are deemed to be inherent to the structure in the prior art since the Cates reference teaches an invention with a similar structural and chemical composition as the claimed invention. Properties are the same when the structure and composition are the same. The burden is on the Applicants to prove otherwise.

Regarding claim 8, Cates does not appear to teach that at least some of the inherently flame resistant fibers of the fabric have been dyed a shade of color which would result in an L value between approximately 18 and the griege L value of the fabric if the inherently flame

resistant fibers were used to form a fabric composed exclusively of the inherently flame resistant fibers. Although the prior art does not disclose shade of color, the claimed shade of color is deemed to be inherent to the structure in the prior art since the Cates reference teaches an invention with a similar structural and chemical composition as the claimed invention.

Properties are the same when the structure and composition are the same. The burden is on the Applicants to prove otherwise. Additionally, in the event that it is shown that the shade of color is not inherent to the fabric of Cates, it would have been obvious to one of ordinary skill in the art to dye the fabric a shade of color substantially similar to the claimed shade of color motivated by the desire to form a dyed fabric suitable for the intended application.

Regarding claims 10-14, 16-18, and 66, Cates teaches a dyed flame resistant fabric comprising a blend of a plurality of fibers, wherein the plurality of fibers consists of inherently flame resistant fibers, and cellulosic fibers wherein at least some of the cellulosic fibers comprise a flame retardant compound, and a residual amount of a dye-assistant comprising at least one of N-cyclohexylpyrrolidone, benzyl alcohol, N,N-dibutylformamide, N,N-diethylbenzamide, hexadecyltrimethyl ammonium salt, N,N-dimethylbenzamide, N,N-diethyl-m-toluamide, N-octylpyrrolidone, aryl ether, N,N-dimethylcaprylamide, or N,N-dimethylcapramide (see entire document including column 1 lines 9-59, column 2 lines 3-22, column 2 lines 52-61, column 3 line 10 to column 4 line 9, column 4 lines 51-65, column 5 line 60 to column 6 line 10, Table I, Table II).

Regarding claim 10, the residual amount of dye assistant comprises at least one of N-cyclohexylpyrrolidone, benzyl alcohol, or N,N-dibutylformamide (column 1 lines 46-59, column 2 lines 3-22, column 6 lines 4-10).

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Regarding claim 11, the inherently flame resistant fibers comprise at least one of aromatic polyamide, polyamide imide, or polyimide (column 3 lines 21-62).

Regarding claim 12, at least some of the inherently flame resistant fibers comprise metaaramid fibers (column 3 lines 21-62).

Regarding claim 13, at least some of the cellulosic fibers comprise at least one of rayon, acetate, triacetate, or lyocell (column 3 lines 21-62).

Regarding claim 14, at least some of the cellulosic fibers comprise rayon fibers (column 3 lines 21-62).

Regarding claims 16 and 17, Cates does not appear to teach that the fabric exhibits a duration of afterflame no greater than 2.0 seconds when subjected to a vertical flammability test conducted in accordance with FTMS 191A Method 5903.1 using a three second exposure and that the fabric exhibits a shrinkage percentage of no greater than approximately 7% after 20 launderings conducted in accordance with AATCC Test Method 135-1992 Table I(3)(V)(A)(iii). Although the prior art does not disclose the claimed duration of afterflame and shrinkage percentage, the claimed properties are deemed to be inherent to the structure in the prior art since the Cates reference teaches an invention with a similar structural and chemical composition as the claimed invention. Properties are the same when the structure and composition are the same. The burden is on the Applicants to prove otherwise.

Regarding claim 18, Cates does not appear to teach that at least some of the inherently flame resistant fibers of the fabric have been dyed a shade of color which would result in an L value between approximately 18 and the griege L value of the fabric if the inherently flame resistant fibers were used to form a fabric composed exclusively of the inherently flame resistant

fibers. Although the prior art does not disclose shade of color, the claimed shade of color is deemed to be inherent to the structure in the prior art since the Cates reference teaches an invention with a similar structural and chemical composition as the claimed invention.

Properties are the same when the structure and composition are the same. The burden is on the Applicants to prove otherwise. Additionally, in the event that it is shown that the shade of color is not inherent to the fabric of Cates, it would have been obvious to one of ordinary skill in the art to dye the fabric a shade of color substantially similar to the claimed shade of color motivated by the desire to form a dyed fabric suitable for the intended application.

Regarding claims 29-35 and 68, Cates teaches a dyed flame resistant fabric comprising a blend of a plurality of fibers, wherein the plurality of fibers consists of inherently flame resistant fibers, and cellulosic fibers, wherein at least some of the cellulosic fibers comprise a flame retardant compound, and a residual amount of a dye-assistant comprising at least one of N-cyclohexylpyrrolidone, benzyl alcohol, N,N-dibutylformamide, N,N-diethylbenzamide, hexadecyltrimethyl ammonium salt, N,N-dimethylbenzamide, N,N-diethyl-m-toluamide, N-octylpyrrolidone, aryl ether, N,N-dimethylcaprylamide, or N,N-dimethylcapramide, (see entire document including column 1 lines 9-59, column 2 lines 3-22, column 2 lines 52-61, column 3 line 10 to column 4 line 9, column 4 lines 51-65, column 5 line 60 to column 6 line 10, Table I, Table II).

Regarding claims 29-35 and 68, Cates does not appear to teach that the fabric exhibits a duration of afterflame no greater than 2.0 seconds when subjected to a vertical flammability test conducted in accordance with FTMS 191A Method 5903.1 using a three second exposure and that the fabric exhibits a shrinkage percentage of no greater than approximately 7% after 20

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launderings conducted in accordance with AATCC Test Method 135-1992 Table I(3)(V)(A)(iii). Although the prior art does not disclose the claimed duration of afterflame and shrinkage percentage, the claimed properties are deemed to be inherent to the structure in the prior art since the Cates reference teaches an invention with a similar structural and chemical composition as the claimed invention. Properties are the same when the structure and composition are the same. The burden is on the Applicants to prove otherwise.

Regarding claim 29, the inherently flame resistant fibers comprise at least one of aromatic polyamide, polyamide imide, or polyimide (column 3 lines 21-62).

Regarding claim 30, at least some of the inherently flame resistant fibers comprise metaaramid fibers (column 3 lines 21-62).

Regarding claim 31, at least some of the cellulosic fibers comprise at least one of rayon, acetate, triacetate, or lyocell (column 3 lines 21-62).

Regarding claim 32, at least some of the cellulosic fibers comprise rayon fibers (column 3 lines 21-62).

Regarding claim 33, the residual amount of dye assistant comprises at least one of N-cyclohexylpyrrolidone, benzyl alcohol, or N,N-dibutylformamide (column 1 lines 46-59, column 2 lines 3-22, column 6 lines 4-10).

Regarding claim 35, Cates does not appear to teach that at least some of the inherently flame resistant fibers of the fabric have been dyed a shade of color which would result in an L value between approximately 18 and the griege L value of the fabric if the inherently flame resistant fibers were used to form a fabric composed exclusively of the inherently flame resistant fibers. Although the prior art does not disclose shade of color, the claimed shade of color is

deemed to be inherent to the structure in the prior art since the Cates reference teaches an invention with a similar structural and chemical composition as the claimed invention.

Properties are the same when the structure and composition are the same. The burden is on the Applicants to prove otherwise. Additionally, in the event that it is shown that the shade of color is not inherent to the fabric of Cates, it would have been obvious to one of ordinary skill in the art to dye the fabric a shade of color substantially similar to the claimed shade of color motivated by the desire to form a dyed fabric suitable for the intended application.

Regarding claims 37-42 and 69, Cates teaches a dyed flame resistant fabric comprising a blend of a plurality of fibers, wherein the plurality of fibers consists of inherently flame resistant fibers, and cellulosic fibers, wherein at least some of the cellulosic fibers comprise a flame retardant compound, and a residual amount of a dye-assistant comprising at least one of N-cyclohexylpyrrolidone, benzyl alcohol, N,N-dibutylformamide, N,N-diethylbenzamide, hexadecyltrimethyl ammonium salt, N,N-dimethylbenzamide, N,N-diethyl-m-toluamide, N-octylpyrrolidone, aryl ether, N,N-dimethylcaprylamide, or N,N-dimethylcapramide (see entire document including column 1 lines 9-59, column 2 lines 3-22, column 2 lines 52-61, column 3 line 10 to column 4 line 9, column 4 lines 51-65, column 5 line 60 to column 6 line 10, Table I, Table II).

Regarding claims 37-42 and 69, Cates does not appear to teach that the fabric exhibits a shrinkage percentage of no greater than approximately 7% after 20 launderings conducted in accordance with AATCC Test Method 135-1992 Table I(3)(V)(A)(iii). Although the prior art does not disclose the claimed shrinkage percentage, the claimed property is deemed to be inherent to the structure in the prior art since the Cates reference teaches an invention with a

similar structural and chemical composition as the claimed invention. Properties are the same when the structure and composition are the same. The burden is on the Applicants to prove otherwise.

Regarding claim 37, at least some of the inherently flame resistant fibers comprise at least one of aromatic polyamide, polyamide imide, or polyimide (column 3 lines 21-62).

Regarding claim 38, at least some of the inherently flame resistant fibers comprise metaaramid fibers (column 3 lines 21-62).

Regarding claim 39, at least some of the cellulosic fibers comprise at least one of rayon, acetate, triacetate, or lyocell (column 3 lines 21-62).

Regarding claim 40, at least some of the cellulosic fibers comprise rayon fibers (column 3 lines 21-62).

Regarding claim 41, the residual amount of dye assistant comprises at least one of N-cyclohexylpyrrolidone, benzyl alcohol, or N,N-dibutylformamide (column 1 lines 46-59, column 2 lines 3-22, column 6 lines 4-10).

Regarding claim 42, Cates does not appear to teach that at least some of the inherently flame resistant fibers of the fabric have been dyed a shade of color which would result in an L value between approximately 18 and the griege L value of the fabric if the inherently flame resistant fibers were used to form a fabric composed exclusively of the inherently flame resistant fibers. Although the prior art does not disclose shade of color, the claimed shade of color is deemed to be inherent to the structure in the prior art since the Cates reference teaches an invention with a similar structural and chemical composition as the claimed invention.

Properties are the same when the structure and composition are the same. The burden is on the

Applicants to prove otherwise. Additionally, in the event that it is shown that the shade of color is not inherent to the fabric of Cates, it would have been obvious to one of ordinary skill in the art to dye the fabric a shade of color substantially similar to the claimed shade of color motivated by the desire to form a dyed fabric suitable for the intended application.

Regarding claims 45-49, 51-53 and 70, Cates teaches a dyed flame resistant fabric comprising a blend of a plurality of fibers, wherein the plurality of fibers consists of inherently flame resistant fibers, wherein at least some of the inherently flame resistant fibers are dyed, and cellulosic fibers, wherein at least some of the cellulosic fibers comprise a flame retardant compound, and a residual amount of a dye-assistant comprising at least one of N-cyclohexylpyrrolidone, benzyl alcohol, N,N-dibutylformamide, N,N-diethylbenzamide, hexadecyltrimethyl ammonium salt, N,N-dimethylbenzamide, N,N-diethyl-m-toluamide, N-octylpyrrolidone, aryl ether, N,N-dimethylcaprylamide, or N,N-dimethylcapramide (see entire document including column 1 lines 9-59, column 2 lines 3-22, column 2 lines 52-61, column 3 line 10 to column 4 line 9, column 4 lines 51-65, column 5 line 60 to column 6 line 10, Table I, Table II).

Regarding claim 45, the residual amount of dye assistant comprises at least one of N-cyclohexylpyrrolidone, benzyl alcohol, or N,N-dibutylformamide (column 1 lines 46-59, column 2 lines 3-22, column 6 lines 4-10).

Regarding claim 46, at least some of the inherently flame resistant fibers comprise at least one of aromatic polyamide, polyamide imide, or polyimide (column 3 lines 21-62).

Regarding claim 47, at least some of the inherently flame resistant fibers comprise metaaramid fibers (column 3 lines 21-62).

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Regarding claim 48, at least some of the cellulosic fibers comprise at least one of rayon, acetate, triacetate, or lyocell (column 3 lines 21-62).

Regarding claim 49, at least some of the cellulosic fibers comprise rayon fibers (column 3 lines 21-62).

Regarding claims 51 and 52, Cates does not appear to teach that the fabric exhibits a duration of afterflame no greater than 2.0 seconds when subjected to a vertical flammability test conducted in accordance with FTMS 191A Method 5903.1 using a three second exposure and that the fabric exhibits a shrinkage percentage of no greater than approximately 7% after 20 launderings conducted in accordance with AATCC Test Method 135-1992 Table I(3)(V)(A)(iii). Although the prior art does not disclose the claimed duration of afterflame and shrinkage percentage, the claimed properties are deemed to be inherent to the structure in the prior art since the Cates reference teaches an invention with a similar structural and chemical composition as the claimed invention. Properties are the same when the structure and composition are the same. The burden is on the Applicants to prove otherwise.

Regarding claim 53, Cates does not appear to teach that at least some of the inherently flame resistant fibers of the fabric have been dyed a shade of color which would result in an L value between approximately 18 and the griege L value of the fabric if the inherently flame resistant fibers were used to form a fabric composed exclusively of the inherently flame resistant fibers. Although the prior art does not disclose shade of color, the claimed shade of color is deemed to be inherent to the structure in the prior art since the Cates reference teaches an invention with a similar structural and chemical composition as the claimed invention. Properties are the same when the structure and composition are the same. The burden is on the

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Applicants to prove otherwise. Additionally, in the event that it is shown that the shade of color is not inherent to the fabric of Cates, it would have been obvious to one of ordinary skill in the art to dye the fabric a shade of color substantially similar to the claimed shade of color motivated by the desire to form a dyed fabric suitable for the intended application.

In the event it is shown that Cates does not disclose the claimed invention with sufficient specificity, the invention is obvious because Cates discloses the claimed constituents and discloses that they may be used in combination.

Claim Rejections - 35 USC § 103

3. Claims 5, 15, 20-27, 50 and 67 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cates, as applied to claims 2-4, 6-8, 10-14, 16-18, 29-35, 37-42, 45-49, 51-53, 65, 66, and 68-70 above, and further in view of USPN 4,868,041 to Yamagishi.

Regarding claims 5, 15, 20-26, 50, and 67, Cates does not appear to teach that at least some of the cellulosic fibers comprise a phosphorous compound flame retardant in a concentration of at least approximately 1.4% phosphorous by weight of cellulosic fiber.

However, Cates suggests that fire or flame retardants may be added to the fabric and that the fire resistant properties, as measured by phosphorous and/or halogen retention following multiple launderings, are excellent (Cates, column 2 lines 52-61, column 3 line 63 to column 4 line 9, column 4 lines 51-65). Since Cates is silent with regards to specific concentration of phosphorous compound flame retardant, it would have been necessary and thus obvious to look to the prior art for conventional methods of flame retarding and concentrations of flame retardant. Yamagishi provides this conventional teaching showing that it is known in the fabric

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art to blend aromatic polyamide and cellulosic fibers, wherein the cellulosic fibers are flameproofed cotton, rayon, or polynosic fibers, and wherein the flameproofed cellulosic fibers are formed by adding 1.0%-5.0% of phosphorous by weight to cellulosic fibers to flame proof the fibers (Yamagishi, column 2 lines 17-36, column 3 lines 14-52). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to make the fabric of Cates with the phosphorous coated cellulosic fibers, as taught by Yamagishi, motivated by the expectation of forming a flameproof fabric comprising aromatic polyamide fibers and cellulosic fibers with sufficient drape or strength.

Regarding claim 20, at least some of the inherently flame resistant fibers comprise at least one of aromatic polyamide, polyamide imide, or polyimide (Cates, column 3 lines 21-62).

Regarding claim 21, at least some of the inherently flame resistant fibers comprise metaaramid fibers (Cates, column 3 lines 21-62).

Regarding claim 22, at least some of the cellulosic fibers comprise at least one of rayon, acetate, triacetate, or lyocell (Cates, column 3 lines 21-62).

Regarding claim 23, at least some of the cellulosic fibers comprise rayon fibers (Cates, column 3 lines 21-62).

Regarding claim 24, the residual amount of dye assistant comprises at least one of N-cyclohexylpyrrolidone, benzyl alcohol, or N,N-dibutylformamide (Cates, column 1 lines 46-59, column 2 lines 3-22, column 6 lines 4-10).

Regarding claims 25 and 26, Cates does not appear to teach that the fabric exhibits a duration of afterflame no greater than 2.0 seconds when subjected to a vertical flammability test conducted in accordance with FTMS 191A Method 5903.1 using a three second exposure and

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that the fabric exhibits a shrinkage percentage of no greater than approximately 7% after 20 launderings conducted in accordance with AATCC Test Method 135-1992 Table I(3)(V)(A)(iii). Although the prior art does not disclose the claimed duration of afterflame and shrinkage percentage, the claimed properties are deemed to be inherent to the structure in the prior art since the Cates reference teaches an invention with a similar structural and chemical composition as the claimed invention. Properties are the same when the structure and composition are the same. The burden is on the Applicants to prove otherwise.

Regarding claim 27, Cates in view of Yamagishi does not appear to teach that at least some of the inherently flame resistant fibers of the fabric have been dyed a shade of color which would result in an L value between approximately 18 and the griege L value of the fabric if the inherently flame resistant fibers were used to form a fabric composed exclusively of the inherently flame resistant fibers. Although the prior art does not disclose shade of color, the claimed shade of color is deemed to be inherent to the structure in the prior art since the Cates and Yamagishi references teach an invention with a similar structural and chemical composition as the claimed invention. Properties are the same when the structure and composition are the same. The burden is on the Applicants to prove otherwise. Additionally, in the event that it is shown that the shade of color is not inherent to the fabric of Cates in view of Yamagishi, it would have been obvious to one of ordinary skill in the art to dye the fabric a shade of color substantially similar to the claimed shade of color motivated by the desire to form a dyed fabric suitable for the intended application.

4. Applicants' arguments with respect to claims 1-64 have been considered but are moot in view of the new grounds of rejection.

Conclusion

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peter Y. Choi whose telephone number is (571) 272-6730. The examiner can normally be reached on Monday - Friday, 08:00 - 15:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Terrel Morris can be reached on (571) 272-1478. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Peter Y. Choi

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May 31, 2007